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Proposed Maximum Residue Limit PMRL2013-80

Tetraconazole

(publié aussi en français)

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade tetraconazole and the end-use product Mettle™ 125 ME Fungicide for use in Canada on grapes, gooseberries, strawberries and sugar beets.

The evaluation of these tetraconazole applications indicated that the end-use product has merit and value, and the human health and environmental risks associated with the proposed uses are acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2012-29, *Tetraconazole*, posted to the Health Canada website on 16 November 2012.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for tetraconazole was conducted via PRD2012-29. Information regarding the proposed MRLs can be found in Sections 3.5 and 7.1. Supporting field trial residue data are provided in Appendix 1, Table 5. The PMRA received no comments in response to this consultation.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for tetraconazole are as follows.

Table 1 Proposed Maximum Residue Limits for Tetraconazole

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Tetraconazole	1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1*H*-1,2,4-triazole	0.25	Low growing berry subgroup (Crop Subgroup 13-07G)
		0.2	Small fruit vine climbing subgroup, except fuzzy kiwifruit (Crop Subgroup 13-07F)
		0.15	Sugar beet molasses
		0.05	Liver of cattle, goats, horses, hogs and sheep; sugar beet roots
		0.02	Fat, kidney, meat, and meat byproducts (except liver) of cattle, goats, horses, hogs and sheep
		0.01	Milk

ppm = parts per million

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

International Situation and Trade Implications

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the crop field trials used to generate residue chemistry data. For livestock commodities, differences in MRLs can also be due to different livestock feed items and practices.

Table 2 compares the MRLs proposed for tetraconazole in Canada with corresponding American tolerances. American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Currently, there are no Codex MRLs[1] listed for tetraconazole in or on any commodity on the Codex Alimentarius Pesticide Residues in Food website.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Small fruit vine climbing subgroup, except fuzzy kiwifruit (Crop Subgroup 13-07F)	0.2	0.20	Not established
Low growing berry subgroup (Crop Subgroup 13-07G)	0.25	0.25 (except cranberry)	
Sugar beet roots	0.05	0.05	
Sugar beet molasses	0.15	0.15	
Fat, kidney, meat, and meat byproducts (except liver) of cattle, goats, horses, hogs and sheep	0.02	0.01 (meat of cattle, goat, hog, horse, poultry, and sheep; fat and meat byproducts [except liver] of hog) 0.05 (poultry fat, and poultry meat byproducts) 0.15 (fat and meat byproducts[except liver] of cattle, goat, horse, and sheep	
Liver of cattle, goats, horses, hogs and sheep	0.05	1.5 (liver of cattle, goat, horse, and sheep) 0.05 (hog liver)	
Milk	0.01	0.03 (Milk) 0.75 (Milk fat)	

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for tetraconazole up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs. Comments received will be addressed in a separate document linked to this PMRL. The established MRLs will be legally in effect as of the date that they are entered into the Maximum Residue Limit Database.